

Work Order ID 141774

Thursday, February 11, 2016 11:16:34 AM

aw
141774

Page 1

Item ID: D350-588-041

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Aft Door Assembly

Start Date: 2/11/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 2/18/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLJ Date: FEB 11 2016

Tooling:

Date:

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D2445/D350-588	Rev D/D
DSI9690	A

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile and create labels per PPP D350-588-041 CHG003

Smb
16/4/11
MLJ 16-04-11
9:07 17 FEB 11 2016

110

PURCHASING

0.00

110

Purchasing

Memo

0.00

Purchasing

Issue P/O: 31393
Description: D2445 Baggage Door
Supplier: Delastek
Ship to Delastek (1) D0588-041 label
Certification of Conformity and process sheet from Delastek is required.

DAS
13
9-89**FEB 17 2016**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Work Order ID 141774

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Item ID: D350-588-041

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Aft Door Assembly

Start Date: 2/11/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 2/18/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***
Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	Receive & Inspect for Damage & Mat'l Certs	0.00							
120									
Packaging	Memo	0.00							
Packaging	Ensure Certificate of Conformity & Process Sheet are attached								
130	QC6- Inspect dimensions to drawing	0.00							
130									
QC	Memo	0.00							
Quality Control	Inspect as per Dwg D2445. Audit process sheet.								
140	Small Fab	0.00							
140									
Small Fab	Memo	0.02							
Small Fab	Assemble all of the above parts as per Dwg D350-588								

1X Sp16-03-28

D 1604-11 PD

DAS
07
9-89

X/ 16/02/27

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Work Order ID 141774

Thursday, February 11, 2016 11:16:34 AM

141774

Page 3

Item ID: D350-588-041 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Aft Door Assembly
 Start Date: 2/11/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 2/18/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC5- Inspect part completeness to step on W/O	0.00							
150									
QC	Memo	0.00							
Quality Control									
155	Pick Kit	0.00							
155									
Packaging	Memo	0.00							
Packaging									
160	QC4- 100% Inspect kits for completeness	0.00							
160									
QC	Memo	0.00							
Quality Control									

DAS
07
9-89

JMS

14/02/21

11/04/2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : ☐			
Misidentified ☐		Past Due ☐					

Work Order ID 141774***141774***

Page 4

Thursday, February 11, 2016 11:16:34 AM

Item ID: D350-588-041

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Aft Door Assembly

Stop ***NS2***

Start Date: 2/11/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 2/18/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

170

Identify as per dwg & Stock Location: _____

0.00

170

Packaging

Memo

0.00

Packaging

Location :FG021

SMB
10/4/11

180

QC21- Final Inspection - Work Order Release

0.00

180

QC

Memo

0.00

Quality Control

MCS APR 11 2016

MCS APR 11 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Thursday, February 11, 2016 11:16:44 AM

Page 1

Work Order ID: 141774

141774

Parent Item: D350-588-041

D350-588-041

Parent Item Name: Aft Door Assembly

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP P 04.02.04ReformatKJ/DS IPP Rev:Q as
per DSI9414 DD verified by:EC IPP Rev:R add pick kit DD
10.03.29 verified by:EC IPP REV:S 14.04.28 AS PER
DSI9690 DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D2445P		Purchased	No			110	Each	0.0000	1	1			
D2445P									**				
Aft Door Assembly													
AN526C832R9		Purchased	No			140	Each	405.0000	8	8			
AN526C832R9									**				
Screw													

Location	Loc Qty	Loc Code
ST327	405	
M132823	130	
M133932	150	
M134063	125	

D2143		Manufactured	No			140	Each	20.0000	1	1			
D2143									**				
Hinge Bracket													

Location	Loc Qty	Loc Code
ST003	20	
121806	20	

D2144		Manufactured	No			140	Each	10.0000	1	1			
D2144									**				
Hinge Doubler													

Location	Loc Qty	Loc Code
ST002	10	
114332	10	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
OTHER : ☐									

Picklist Print

Thursday, February 11, 2016 11:16:44 AM

Page 2

Work Order ID: 141774

141774

Parent Item: D350-588-041

D350-588-041

Parent Item Name: Aft Door Assembly

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

D2463

Manufactured No

140 f

624.3391 7.25 7.25

D2463

1/2" Seal (\$Per Foot)

DAS
07
9-89

Location

Loc Qty

Loc Code

ST409

500

140013

500

ST638

124.3390683

125469

124.339068

7.25

16/02/24

(D2463-0870) cut (1) at 87.00"
**** per kit****

D2585

Manufactured No

140 Each

23.0000 2 2

D2585

Latch Clamp

DAS
07
9-89

Location

Loc Qty

Loc Code

ST008

23

139075

23

2

16/02/24

D2586

Manufactured No

140 Each

97.0000 2 2

D2586

Door Latch

DAS
07
9-89

Location

Loc Qty

Loc Code

FG

12

119746

1

138048

2

139228

9

ST481

35

139228

35

2

ST488a

50

140535

25

141454

25

16/02/24

Thursday, February 11, 2016 11:16:44 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

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Page 3

Work Order ID: 141774

141774

Parent Item: D350-588-041

D350-588-041

Parent Item Name: Aft Door Assembly

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

D2621

Manufactured No

140

Each

26.0000

2

2

D2621

Latch Plate

DAS
07
9-89

16/02/24

Location

Loc Qty

Loc Code

FG

2

88616

2

ST012a

24

127749

24

2

D2857-1

Manufactured No

140

Each

18.0000

1

1

D2857-1

Hinge Bracket

DAS
07
9-89

16/02/24

Location

Loc Qty

Loc Code

FG

5

121829

2

82261

2

91914

1

ST012

13

121829

1

133964

12

1

D2857-2

Manufactured No

140

Each

16.0000

1

1

D2857-2

Hinge Bracket

DAS
07
9-89

16/02/24

Location

Loc Qty

Loc Code

FG

5

130848

2

78904

3

ST012

11

133903

11

1

Thursday, February 11, 2016 11:16:44 AM

Shop Packet Print

Page 3

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WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

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Page 4

Work Order ID: 141774

Parent Item: D350-588-041

Parent Item Name: Aft Door Assembly

141774

D350-588-041

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L08

Purchased

No

140

Each

1,772.000

8

8

MS21042L 08

Nut

DAS
07
9-89

Location

Loc Qty

Loc Code

CA

101

m129682

101

GA

275

m133134

3

m134063

272

OVER007

500

m134063

500

ST303

896

m133922

896

MS21042L3

Purchased

No

140

Each

2,175.000

2

2

MS21042L 3

Nut

DAS
07
9-89

Location

Loc Qty

Loc Code

FP001

163

m133790

163

GA

162

m133790

162

ST304

1850

m134039

1850

MS27039-1-15

Purchased

No

140

Each

486.0000

2

2

MS27039-1-15

Screw

DAS
07
9-89

Location

Loc Qty

Loc Code

GA

21

m127916

21

ST280

465

m132640

465

Thursday, February 11, 2016 11:16:44 AM

Shop Packet Print

Page 4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Thursday, February 11, 2016 11:16:44 AM

Page 5

Work Order ID: 141774

141774

Parent Item: D350-588-041

D350-588-041

Parent Item Name: Aft Door Assembly

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Purchased

No

140

Each

1,597.000

2

2

DAS
07
9-88

NAS1149D0363.J

Washer

**

16/02/24

Location

Loc Qty

Loc Code

GA

64

m130799

64

ST260a

1000

m134055

1000

ST263

533

m133790

35

m133932

498

NAS1149DN832J

Purchased

No

140

Each

2,255.000

8

8

DAS
07
9-89

NAS1149DN832.J

Washer

**

16/02/24

Location

Loc Qty

Loc Code

CA

84

M129499

84

ST260a

1500

M134180

1500

ST263

671

M131697

671

AN526C1032R7

Purchased

No

155

Each

188.0000

2

2

DAS
6
9-88

AN526C1032R7

Screw

**

11/11/2010

DAS
07
9-89

DAS
28
9-88

Location

Loc Qty

Loc Code

ST327

188

M128403

188

DAS
27
9-88

Thursday, February 11, 2016 11:16:44 AM

Shop Packet Print

Page 5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Thursday, February 11, 2016 11:16:44 AM

Page 6

Work Order ID: 141774

141774

Parent Item: D350-588-041

D350-588-041

Parent Item Name: Aft Door Assembly

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

AN526C832R8

Purchased

No

155

Each

205.0000

8

8

DAS 6 27

AN526C832R8

Screw

**

9-89 9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST327

205

m129706

94

m129764

11

m133932

100

8

D2150

Manufactured

No

155

Each

24.0000

2

2

DAS 6 27
9-89 9-89

D2150

Packer Doubler, Hinge

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST003

24

121844

24

2

D2151

Manufactured

No

155

Each

15.0000

2

2

DAS 6 27
9-89 9-89

D2151

Packer Doubler

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST003

15

121825

15

1

D2153

Manufactured

No

155

Each

4.0000

1

1

DAS 6 27
9-89 9-89

D2153

Door Prop

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST362

4

131670

4

11

MARS
20/6

Thursday, February 11, 2016 11:16:45 AM

Shop Packet Print

Page 6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

Thursday, February 11, 2016 11:16:45 AM

Page 7

Work Order ID: 141774

141774

Parent Item: D350-588-041

D350-588-041

Parent Item Name: Aft Door Assembly

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

D2154

Manufactured No

155

Each

31.0000

1

1

D2154

Bracket, Stud

DAS
28
9-89

**

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST003

31

118894

31

D2237

Manufactured No

155

Each

10.0000

2

2

D2237

Striker Plate

DAS
28
9-89

**

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST004

10

136090

10

D2461

Manufactured No

155

f

295.0074

7.25

7.25

D2461

Neoprene 'D' Seal (\$8.00 Foot)

DAS
28
9-89

**

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST407

295.00737

128447

295.00737

(D2461-0870) cut (1) at 87.00"

**** per kit****

D2589

Manufactured Yes

155

Each

7.0000

1

1

D2589

Keys, Key Chain

DAS
28
9-89

**

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST008

7

132942

7

11 MAR 2016

Thursday, February 11, 2016 11:16:45 AM

Shop Packet Print

Page 7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : ☐					

Picklist Print

Thursday, February 11, 2016 11:16:45 AM

Page 8

Work Order ID: 141774

141774

Parent Item: D350-588-041

D350-588-041

Parent Item Name: Aft Door Assembly

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

D2690-17

Manufactured No

155

Each

24.0000

1

1

DAS

DAS

D2690-17

Cable

**

6

27

9-89

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST012a

24

112206

6

120107

3

121750

6

140042

9

D2858-1

Manufactured No

155

Each

16.0000

1

1

DAS

6

9-89

D2858-1

Hinge Bracket

**

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

2

77019

2

ST012

14

121400

2

133091

12

D2858-2

Manufactured No

155

Each

6.0000

1

1

DAS

6

9-89

D2858-2

Hinge Bracket

**

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

2

77020

2

ST012

4

121563

4

11MARS 2016
APR 05 2016

Thursday, February 11, 2016 11:16:45 AM

Shop Packet Print

Page 8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Thursday, February 11, 2016 11:16:45 AM

Page 9

Work Order ID: 141774

141774

Parent Item: D350-588-041

D350-588-041

Parent Item Name: Aft Door Assembly

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

D5080-041

Manufactured No

155

Each

43.0000

2

2

D5080-041

Striker Plate Assembly

DAS
28
9-89

**

DAS
6
27
9-89

Location

Loc Qty

Loc Code

ST148

43

121798

2

126722

17

128722

24

FG-778150-550-ROL

Purchased

No

155

sf

600.1463

1

1.333333

***FG-778150-550-ROL ***

7781 9oz Glass 50x125yd

DAS
28
9-89

**

DAS
6
27
9-89

Location

Loc Qty

Loc Code

CA2

600.1463415

M127701

600.146342

CUT ONE SQUARE FEET PER KIT

MS20426AD3-4

Purchased

No

155

Each

2,146.000

12

12

MS20426AD3-4

RIVET

DAS
28
9-89

**

DAS
6
27
9-89

Location

Loc Qty

Loc Code

GA

1662

m131697

1662

ST312

484

m131697

484

MS20470AD4-5

Purchased

No

155

Each

1,394.000

18

18

MS20470AD4-5

RIVET, UNIVERSAL HEAD

DAS
28
9-89

**

11 MAR 2016
DAS
6
27
9-89

Location

Loc Qty

Loc Code

GA

980

m133860

980

ST310

414

m133860

414

Thursday, February 11, 2016 11:16:45 AM

Shop Packet Print

Page 9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Thursday, February 11, 2016 11:16:45 AM

Page 10

Work Order ID: 141774

141774

Parent Item: D350-588-041

D350-588-041

Parent Item Name: Aft Door Assembly

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L08

Purchased No

155

Each

1,772.000

10

10

MS21042L 08

Nut

**

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

CA

101

m129682

101

GA

275

m133134

3

m134063

272

OVER007

500

m134063

500

ST303

896

m133922

896

10

DAS

6

9-89

DAS

27

9-89

MS21042L3

Purchased No

155

Each

2,175.000

4

4

MS21042L 3

Nut

**

Location

Loc Qty

Loc Code

FP001

163

m133790

163

GA

162

m133790

162

ST304

1850

m134039

1850

4

DAS

6

9-89

DAS

27

9-89

MS27039-08-11

Purchased No

155

Each

460.0000

2

2

MS27039-08-11

SCREW

**

Location

Loc Qty

Loc Code

over006

450

m133769

450

ST278

10

m133363

10

2

11/MAR 2016

Thursday, February 11, 2016 11:16:45 AM

Shop Packet Print

Page 10

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

Thursday, February 11, 2016 11:16:45 AM

Page 11

Work Order ID: 141774

Parent Item: D350-588-041

Parent Item Name: Aft Door Assembly

141774

D350-588-041

Start Date: 2/11/2016

Required Date: 2/18/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Purchased

No

155

Each

1,597.000

2

2

NAS1149D0363.J

Washer

**

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

64

m130799

64

ST260a

1000

m134055

1000

ST263

533

m133790

35

m133932

498

2

NAS1149DN832J

Purchased

No

155

Each

2,255.000

16

16

NAS1149DN832.J

Washer

**

Location

Loc Qty

Loc Code

CA

84

M129499

84

ST260a

1500

M134180

1500

ST263

671

M131697

671

16

DAS
28
9-89

AKK U 3 2010
DAS
28
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

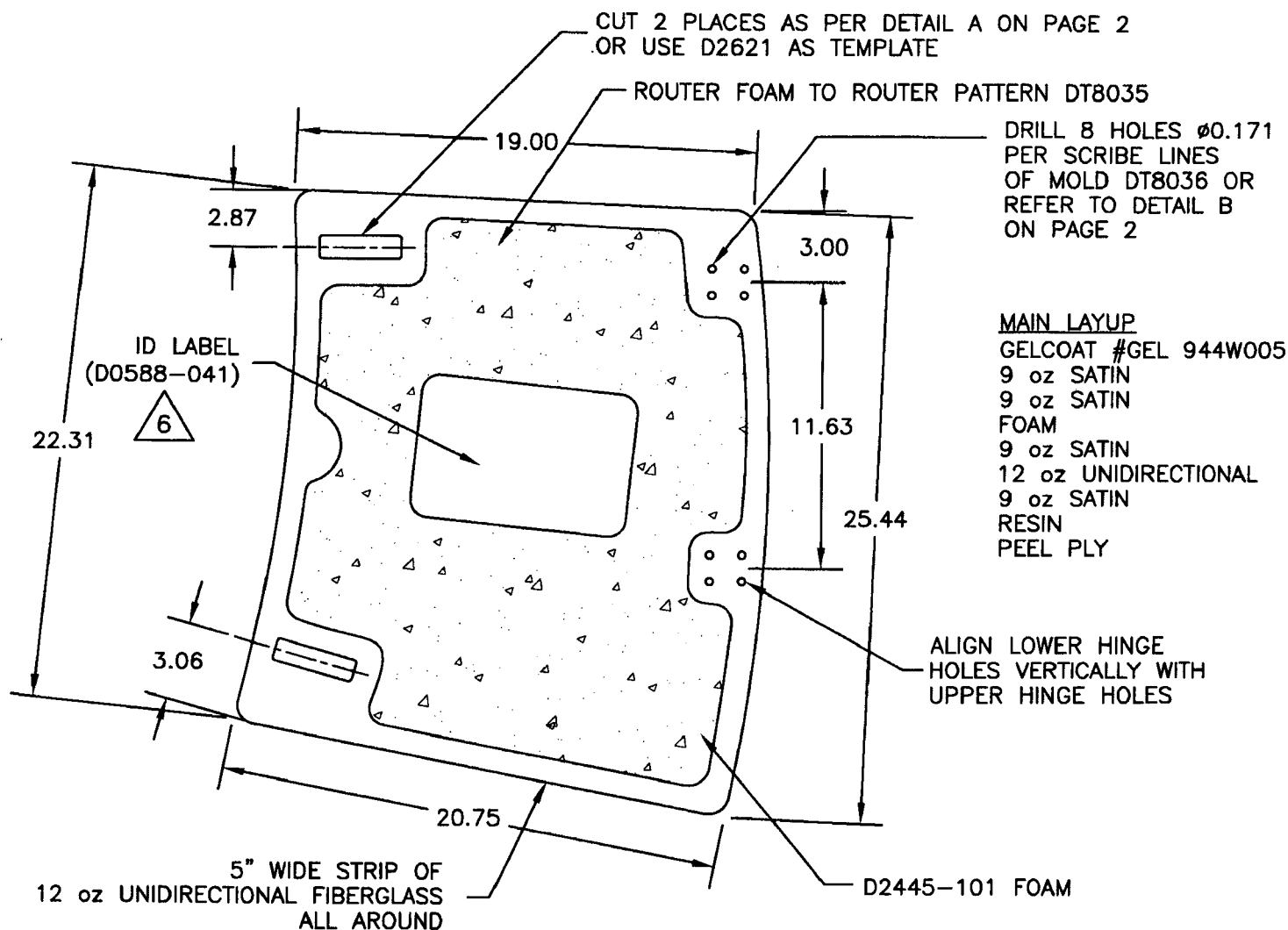
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐				
Date : _____	Step #: _____	QTY Effective : _____			MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			Completed By	
					Lead hand / Supervisor Approval Verification	
					QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : _____						



DESIGN JB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D2445	REV. D SHEET 1 OF 2
DATE 06.06.09	TITLE AFT BAGGAGE DOOR	SCALE 1:7	
A	97.07.15	NEW ISSUE	
B	02.01.24	ADD D2621; D2445-101	
C	04.02.09	REMOVE D2621; UPDATE NOTES	
D	06.06.09	ADD DIMENSIONS TO PERIMETER	

RELEASED

06.11.13 *[Signature]*



NOTES:

- 1) USE MOLD DT8036 FOR DOOR LAYUP. TRIM AND DRILL PER DT8619
- 2) RESIN: DERAKANE 411/510A40/470-36
- 3) FOAM: 3/8" A500 CORE CELL OR DIVINYLCELL OR AIREX OR KLEGECELL R-75
- 4) FIBRE: 9.7 oz 7781 WEAVE "S" GLASS ("9 oz SATIN")
12 oz UNIDIRECTIONAL FIBERGLASS ("12 oz UNIDIRECTIONAL")
- 5) BOND FOAM CORE TO LAMINATE USING POLYBOND B46F
- 6) LAMINATE LABEL USING SURFACE VEIL AND EPOXY RESIN.
- 7) LAMINATE PER DART QSI 006 4.0
- 8) LAMINATION SCHEDULE PER THIS DRAWING
- 9) FINISH INSIDE WITH DUPONT HIGHBUILD GREY PRIMER 1144-S
- 10) ALL DIMENSIONS ARE IN INCHES
- 11) TOLERANCES PER DART QSI 018 UNLESS OTHERWISE NOTED

STOP COPY
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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 14144
1602-11

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QA Closed: _____ Date: _____

Work Order update only ☐

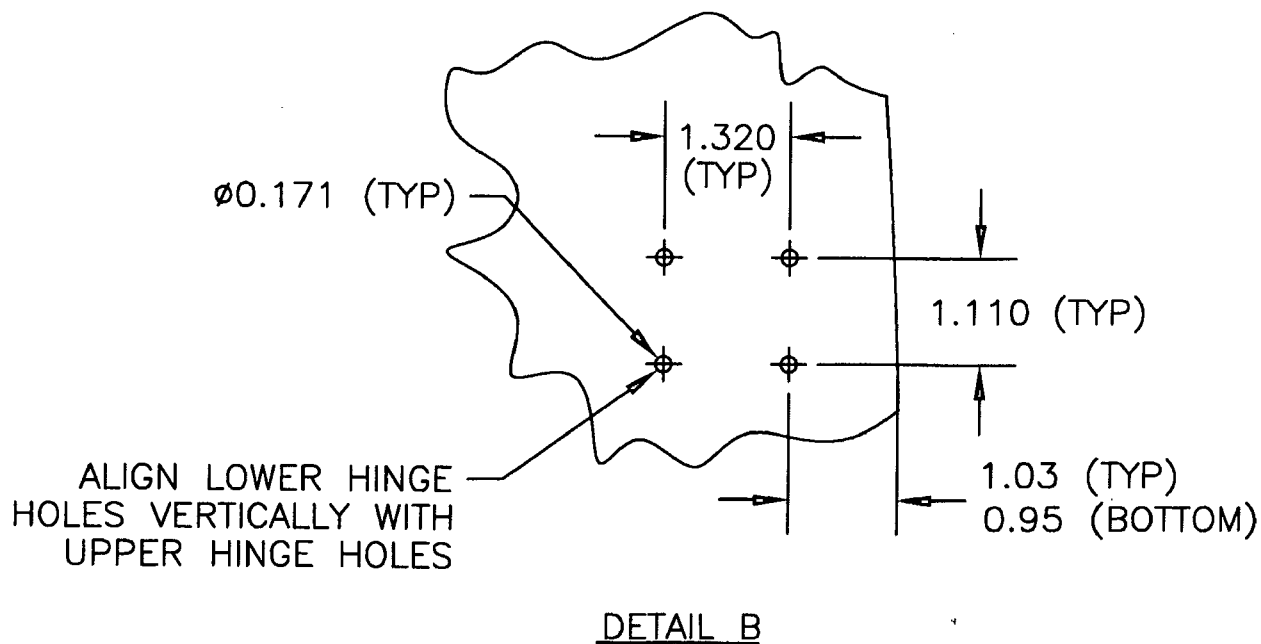
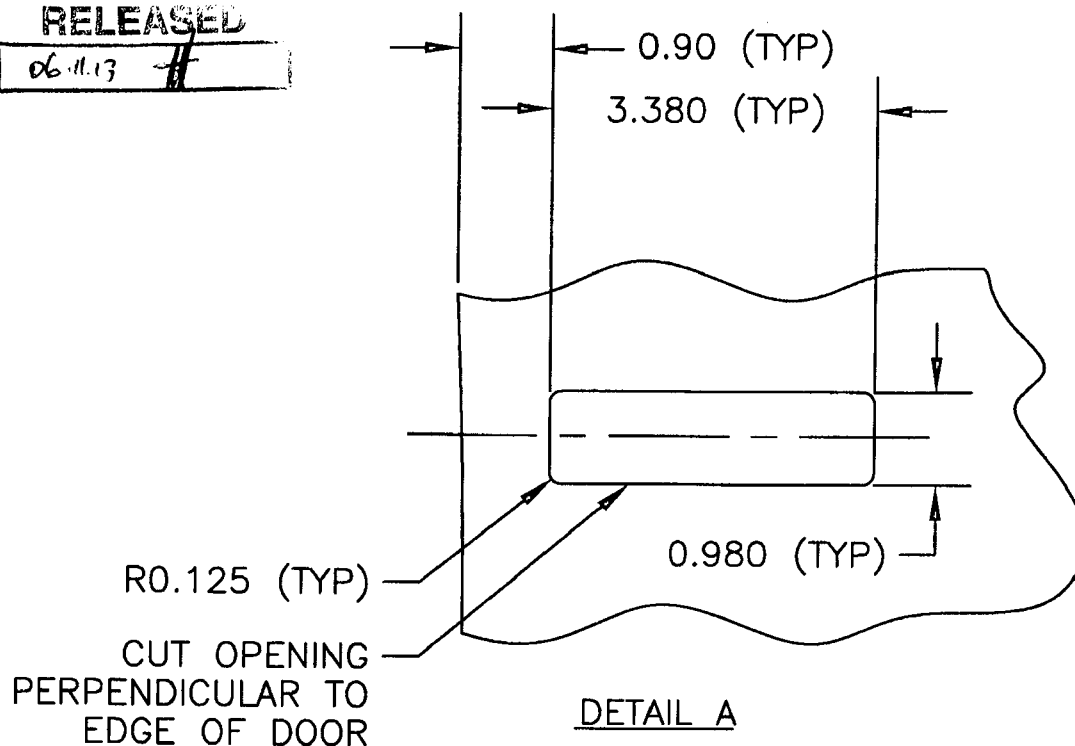
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					



DESIGN JB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D2445	REV. D SHEET 2 OF 2
DATE 06.06.09		TITLE AFT BAGGAGE DOOR	SCALE 1:2

RELEASED

06.11.13 *[Signature]*



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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY							
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date ☐	☐	Manufacturing Process								
Misidentified ☐	☐	Past Due								

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-588 REV. D AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-588 REV. D
REF TCCA STC SH92-41
FAA STC SH1012NE

1.0 PURPOSE:

The purpose of this Dart Service Instruction is to provide customers with directions to install a modified striker plate that will provide more clearance around environmental/conductive seals that protrude inboard of the door frame structure on AS355 N/NP models.

2.0 PROCEDURE:

- 1) Install D350-588-011/-041 per Section 3.1/3.2 of D350-588 as applicable, except do not install D2237 striker plates per item 10 of Section 3.1.
- 2) Remove the aft environmental/conductive seal to gain access to the door structure.
- 3) Using a fine point marker, mark location of both striker plates based on door latch location.
- 4) If D2237 Striker Plates are currently installed, remove both striker plates by drilling out rivets.
- 5) Align D5080-041 striker plate assembly in the previously marked location and transfer drill the $\varnothing 0.1285"$ (#30) holes into the aft bulkhead.
- 6) Drill out both rivets on the aircraft skin adjacent to the striker plate assemblies.
- 7) Align D5080-041 striker plate assembly in the previously marked location and transfer drill the $\varnothing 0.1285"$ (#30) holes from the aircraft skin to the striker plate assembly.
- 8) Deburr holes and remove all sharp edges.
- 9) Touch up all holes in aluminum with chemical conversion coating in accordance with MIL-DTL-5541.
- 10) Apply 0.125" thick layer of PR-1775B ProSeal to the face of D5080-041 per Figure 1.
- 11) Install D5080-041 striker plate assemblies to the aft bulkhead using CR3213-4 rivets of a suitable length, and to the skin of the aircraft using PR-1775B coated CR3213-4 rivets of a suitable length.
- 12) Reinstall environmental/conductive seal using manufacturers recommended procedure.
- 13) Install gas strut or cable assembly per D350-588 Figure 5.
- 14) Adjust both latch mechanisms to ensure adequate compression of door seal and that door skin is flush.
- 15) Check door for proper operation by opening and closing the door, and ensure latches fully lock.

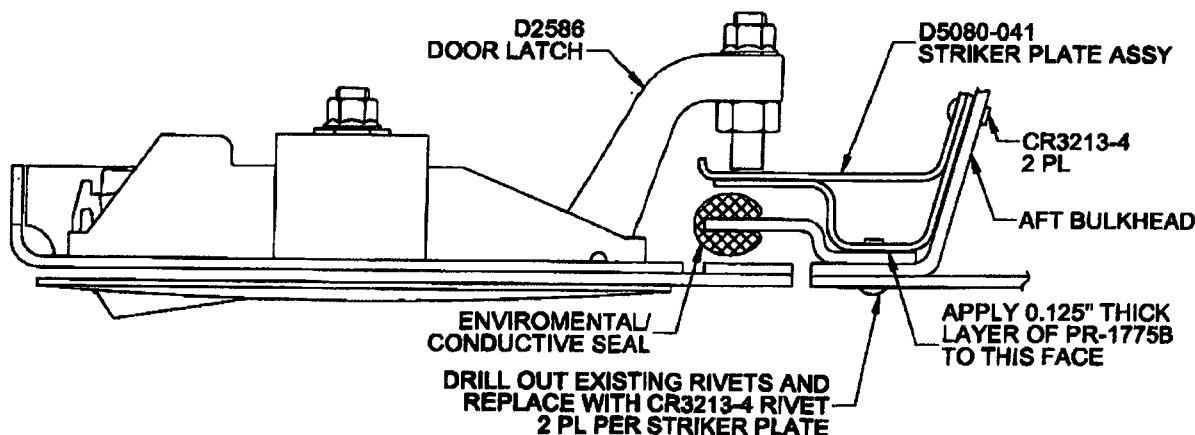


Figure 1 Striker Plate

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 14.03.24
CERT. NO.: SH92-41
ISSUE NO.: 8

A NEW ISSUE		ML	14.03.24
REV.	DESCRIPTION		DATE
DESIGN	ML	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	ML		
CHECKED	N/A	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9690	SHEET 1 OF 2
APPROVED	N/A	TITLE	SCALE
DE APPR.	N/A	STRIKER PLATE MOD	NTS
DATE 14.03.24		COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date ☐	☐	Manufacturing Process	☐				
Misidentified ☐	☐	Past Due	☐				

3.0 PARTS LIST:

The part lists of D350-588 Rev. D and ICA-D350-588 Rev. 0 are amended as follows.

IS:

588 -041	588 -011	PART NUMBER	DESCRIPTION
X		D350-588-041	AFT DOOR ASSEMBLY
	X	D350-588-011	AFT DOOR FWD HINGE MOD
2	2	D5080-041	STRIKER PLATE ASSY (AS355 N/NP MODELS ONLY)
2	2	D2237	STRIKER PLATE

WAS:

588 -041	588 -011	PART NUMBER	DESCRIPTION
X		D350-588-041	AFT DOOR ASSEMBLY
	X	D350-588-011	AFT DOOR FWD HINGE MOD
2	2	D2237	STRIKER PLATE

Customers who need to upgrade a D350-588-011/-041 kit that has been previously purchased from Dart can procure the DSI 9690-011 Kit from Dart.

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9690-011	STRIKER PLATE MODIFICATION KIT
2	D5080-041	STRIKER PLATE ASSEMBLY

4.0 WEIGHT AND BALANCE:

This DSI has a negligible effect on Weight and Balance of the aircraft.

5.0 MAINTENANCE:

Maintain the D5080-041 Striker Plates in accordance with the procedures for the D2237 Striker Plates as outlined in ICA-D350-588.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 14.03.24
CERT. NO.: SH82-41
ISSUE NO.: 8

DESIGN	ML	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	ML	
CHECKED		DRAWING NO. DSI 9690 REV. A
MFG. APPR.	N/A	SHEET 2 OF 2
APPROVED		TITLE STRIKER PLATE MOD SCALE NTS
DE APPR.		
DATE	14.03.24	

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
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								Lead hand / Supervisor Approval Verification																	
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Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																				
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Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____																							
Misidentified ☐	Past Due ☐																								



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO31393**

Purchase Order Date 2/17/2016

PO Print Date 2/17/2016

Page Number 1 of 3

Order From :
FDC COMPOSITES INC.
45 CHEMIN DE L'AEROPORT
LOCAL 26
ST-JEAN-SUR-RICHELIEU, QUEBEC J3B 7B5

VC-FDC01

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

FEB 18 2016

Contact Name
Vendor Phone 450-357-1344 ext303

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D2445P AS PER DWG D2445 REV. D B141774	Aft Door Assembly	3/30/2016 Yes 3/30/2016		1.00 ✓ Each	\$605.00	\$605.00
Line Total:							\$605.00
2	D2445P AS PER DWG D2445 REV. D B141775	Aft Door Assembly	3/30/2016 Yes 3/30/2016		1.00 Each	\$605.00	\$605.00
Line Total:							\$605.00
3	D2445P AS PER DWG D2445 REV. D B141776	Aft Door Assembly	6/29/2016 Yes 6/29/2016		1.00 Each	\$605.00	\$605.00

PO Instructions: PLEASE CONFIRM WITH DART PRIOR TO SHIPPING

Note:

2/17/2016

FDC Composites inc.
45, Chemin de L'Aéroport
Local 26
Saint-Jean-sur-Richelieu (QC)
J3B 7B5
Tél. : 450 357-1344

Bon de livraison

22/03/2016

Commande : 2395
Référence : PO #31393/1-4

Client : Dart

DART AEROSPACE
1270 Aberdeen Street
Hawksbury, ON
K6A 1K7

Expédier à

Même

Tél. : 1 613 632-9577

No item	Description	Qté	Qté livrée	Qté B/O
D2445P ✓	Aft Door Assembly B141774 PO item: 31393/1 Lot: 2016-02-22 As per DWG: D2445 Rev D	1	<u>SP16-03-28</u>	
D2445P	Aft Door Assembly B141775 PO item: 31393/2 Lot: 2016-02-24 As per DWG: D2445 Rev D	1		
D2445P	Aft Door Assembly B141776 PO item: 31393/3 Lot: 2016-01-05 As per DWG: D2445 Rev D	1		
D2445P	Aft Door Assembly B141777 PO item: 31393/4 Lot: 2016-02-26 As per DWG: D2445 Rev D	1		

**Door B141776 shipped
2016-02-11.
invoiced 2016-03-22.
Other doors shipped 2016-03-22.**

Transport : _____

Réf. : _____

Nb colis : _____

Marchandise reçue : _____



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CERTIFICATE of CONFORMITY

Customer Name: Dart Aerospace.

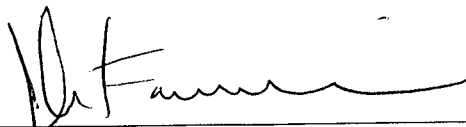
Customer P/O Number: 31393

Certificate Revision : NC

<u>PO Item</u>	<u>Qty</u>	<u>Part number</u>	<u>Drawing number</u>	<u>Description</u>	<u>FDC Serial</u>	<u>Lot</u>
1	1 ✓	D2445P	D2445 Rev D	Aft Door Assembly <u>B141774</u>	DAE007-012	2016-02-22
2	1	D2445P	D2445 Rev D	Aft Door Assembly B141775	DAE007-011	2016-02-24
3	1	D2445P	D2445 Rev D	Aft Door Assembly B141776	DAE007-003	2016-01-05
4	1	D2445P	D2445 Rev D	Aft Door Assembly B141777	DAE007-013	2016-02-26

I hereby certify that the workmanship, material and the processes used in the manufacture of the above part(s) supplied are in accordance with the requirements of the applicable Purchase Order.

Signature:


Jules Fournier, BDI, Quality Manager

Date: 2016-03-22

52.3 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-588-011	1.0 lb	-21.0 in	-21.0 in-lb	+170.0 in	+170.0 in-lb
Aft Door Fwd Hinge Modification Kit	0.45 Kg	-0.53 m	-0.24 m-Kg	+4.32 m	+1.96 m-Kg
D350-588-041*	2.0 lb	-21.0 in	-42.0 in-lb	+170.0 in	+340.0 in-lb
Aft Door Assembly	0.91 Kg	-0.53 m	-0.48 m-Kg	+4.32 m	+3.93 m-Kg

* D350-588-041 Aft Door Assembly weight in excess of standard Eurocopter Door.

52.4 PARTS LISTS

588 -041	588 -011	Part Number	Description
X		D350-588-041	AFT DOOR ASSEMBLY
	X	D350-588-011	AFT DOOR FWD HINGE MODIFICATION KIT
1	1	D2143	HINGE DOUBLER
1	1	D2144	HINGE DOUBLER
2	2	D2150	HINGE PACKER
2	2	D2151	HINGE DOUBLER
1	1	D2153-3315-10	GAS SPRING ASSY.
1	1	D2154	STUD BRACKET
2	2	D2237	STRIKER PLATE
1		D2445	DOOR
1	1	D2461-0870	NEOPRENE D SEAL
1	1	D2463-0870	1/2" FOAM SEAL
	2	D2583	LATCH BRACKET
2	2	D2585	LATCH CLAMP
2	2	D2586	LATCH
	1	D2587	PLUG
1	1	D2589	KEYS, KEY CHAIN
2		D2621	LATCH PLATE
1	1	D2690-17	CABLE, DOOR STOP
1	1	D2857-1	LOWER HINGE BRACKET
1	1	D2857-2	UPPER HINGE BRACKET
1	1	D2858-1	LOWER HINGE BRACKET
1	1	D2858-2	UPPER HINGE BRACKET
8	8	AN526C832R8	SCREW (or AN526-832R8)
8	8	AN526C832R9	SCREW (or AN526-832R9)
2	2	AN526C1032R7	SCREW (or AN526-1032R7)
24	24	AN960JD8	WASHER
4	4	AN960JD10	WASHER
12	12	MS20426AD3-4	RIVET
18	18	MS20470AD4-5	RIVET
18	18	MS21042L08	NUT (or MS21042-08)
4	4	MS21042L3	NUT (or MS21042-3)
2	2	MS27039-1-15	SCREW
2	2	MS27039-0811	SCREW
1	1	N/A	1 SQUARE ft. OF 9 oz. GLASS CLOTH (S-CLASS)

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52-00-00